

In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (original) A communications terminal for use in a code division multiple access system, comprising a plurality of correlating means, each for correlating a part of a spreading code sequence relating to a signal to be acquired, and zero padded Fast Fourier Transform (FFT) means for operating on the output of the correlating means.
2. (original) A communications terminal according to claim 1, wherein the correlating means each comprise a complex matched filter correlator.
3. (previously presented) A communications terminal according to claim 2, wherein each correlator is of the same chip length and wherein the product of the chip length of each correlator and the number of correlators defines the length of the spreading code.
4. (original) A communications terminal according to claim 3, wherein the chip length of each correlator is 25 or less.
5. (previously presented) A communications terminal according to claims 1, 2, 3 or 4, including a hard limiter at the input to the correlating means.
6. (previously presented) A communications terminal according to claims 1, 2, 3 or 4, wherein the FFT means includes a complex zero padded FFT processor having at least twice as many points as the number of correlating means.
7. (original) A communications terminal according to claim 6, wherein the FFT processor has four times as many points as the number of correlating means.
8. (original) A communications terminal according to claim 6, wherein the FFT processor

has eight times as many points as the number of correlating means.

9. (previously presented) A communications terminal according to claim 6, wherein the output of the FFT means is supplied to a maximum signal selector for signal acquisition.

10. (original) A method of operating a code division multiple access communications terminal so as to acquire a given signal, comprising correlating the spreading code sequence of the given signal in a plurality of partial correlation operations, and processing the partial correlation results using a zero padded Fast Fourier Transform (FFT).

11. (original) A method according to claim 10, wherein, prior to the correlation step, the signal is passed through a hard limiter.

12. (original) A method according to claim 10 or 11, wherein, after the FFT step, the maximum signal present is selected to acquire the given signal.

13. (new) The method according to claim 10 wherein the partial correlation results are processed using a zero padded FFT to enable different possible frequency offsets to be simultaneously analyzed.

14. (new) The method according to claim 13 comprising analyzing the different possible frequency offsets simultaneously to enable selection of a Doppler offset for a selected output.

15. (new) The communications terminal according to claim 1 wherein the FFT operates on the output of the correlating means to enable different possible frequency offsets to be simultaneously analyzed.

16. (new) The communications terminal according to claim 15 wherein the FFT operates on the output of the correlating means to enable the different possible frequency offsets to be simultaneously analyzed to enable selection of Doppler offset for a selected output.